

I N T H E U N I T E D S T A T E S
P A T E N T A N D T R A D E M A R K O F F I C E

Arun N. Netravali
John D. Robbins

Case 18-5

Serial No. 253,698 Filed April 13, 1981

Group Art Unit

Examiner

Title Video Signal Interpolation Using Motion Compensation

THE COMMISSIONER OF PATENTS AND TRADEMARKS
WASHINGTON, D. C. 20231

SIR:

Disclosure Statement

It is requested that the following art be considered in the examination of the above-identified application. A copy of the pertinent portion of each citation is attached, and an indication of the pertinency of each to the claimed subject matter is set forth below:

<u>U. S. Patent No.</u>	<u>Inventor</u>	<u>Class</u>	<u>Date Issued</u>
4,218,703*	Netravali et al	358-136	Aug. 19, 1980
4,218,704	Netravali et al	358-136	Aug. 19, 1980

R e m a r k s

The Netravali '703 patent is cited to show a technique for recursively estimating the displacement and/or velocity of objects in video scenes, while the '704 patent utilizes that estimation technique for encoding a video signal using a motion

*Discussed in the specification

compensated prediction. Neither reference deals with video signal interpolation as described in the present application.

The above-cited references are, in our opinion, the closest art of which we are aware.

Respectfully submitted,

Arun N. Netravali

John D. Robbins

By _____
Barry H. Freedman, Attorney
Reg. No. 26166
Area Code 201, 949-6043

Bell Telephone Laboratories, Incorporated

Date: _____

Attached

U. S. Patent 4,218,703

U. S. Patent 4,218,704

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